

001

**EOG Resources, Inc.**  
**P.O. Box 250**  
**Big Piney, WY 83113**

June 27, 2002

Utah Division of Oil, Gas, & Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL  
DUCK CREEK 107-35  
SE/NE, SEC. 35, T8S, R20E  
UINTAH COUNTY, UTAH  
LEASE NO.: U-24543  
UTE INDIAN TRIBAL LANDS

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Phone: (435)789-4120  
Fax: (435)789-1420

Sincerely,



Ed Trotter  
Agent  
EOG Resources, Inc.

Attachments

UDOGM-BLM-EOG

RECEIVED  
JUL 27 2002  
DIVISION OF  
OIL, GAS AND MINING

002

Form 3160-3  
(July 1992)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED  
OMB NO. 1004-0136**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK <b>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/></b>		5. Lease designation and serial number <b>U-24543</b>	
b. TYPE OF WELL Oil <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Well <input type="checkbox"/> Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>		6. If Indian, Allottee or Tribe name <b>UTE INDIAN TRIBE</b>	
2. Name of Operator <b>EOG RESOURCES, INC.</b>		7. Unit Agreement Name <b>96-000184</b>	
3. Address and Telephone Number <b>P.O. BOX 1815, VERNAL, UT 84078 (435)789-0790</b>		8. Farm or lease name, well no. <b>DUCK CREEK 107-35</b>	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface <b>4437533Y 40.08184 1756' FNL &amp; 931' FEL 1014980X SE/NE -109.62798</b> At proposed prod. Zone		9. API Well No. <b>DUCK CREEK 107-35</b>	
14. Distance in miles and direction from nearest town or post office <b>3.0 MILES SOUTHEAST OF OURAY, UTAH</b>		10. Field and pool, or wildcat <b>WASATCH / Natural Buttes</b>	
15. Distance from proposed location to nearest property or lease line, ft. <b>931'</b> (Also to nearest drig. Unit line, if any)		11. Sec., T., R., M., or BLK. and survey or area <b>SEC. 35, T8S, R20E</b>	
16. No. of acres in lease <b>1608.80</b>		12. County or parish <b>UINTAH</b>	
17. No. of acres assigned to this well		13. State <b>UTAH</b>	
18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.		19. Proposed depth <b>7300'</b>	
20. Rotary or cable tools <b>ROTARY</b>		21. Elevations (show whether DF, RT, GR, etc.) <b>8483.3 FEET GRADED GROUND</b>	
22. Approx. date work will start <b>UPON APPROVAL</b>		23. PROPOSED CASING AND CEMENTING PROGRAM	

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	200' - 220'	100-150 SX CLASS "G" + 2%
or 12 1/4"	9 5/8"	32.30#	200 - 220'	CaCl2 + 1/4 #/SX CELLOFLAKE.
7 7/8"	4 1/2"	10.50#	7300'	50/50 POXMIX + 2% GEL + 10%

SEE ATTACHMENTS FOR:

8 POINT PLAN  
BOP SCHEMATIC  
SURFACE USE AND OPERATING PLAN  
LOCATION PLAT  
LOCATION LAYOUT  
TOPOGRAPHIC MAPS "A", "B", AND "C"  
GAS SALES PIPELINE—MAP "D"

**CONFIDENTIAL**

EOG RESOURCES, INC. WILL BE THE DESIGNATED  
OPERATOR OF THE SUBJECT WELL UNDER  
BOND #NM 2308

Pc: UTAH DIVISION OF OIL, GAS, AND MINING  
BUREAU OF INDIAN AFFAIRS

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to drill or deepen directionally, give pertinent data on surface locations and measured and true vertical depths. Give blowout preventer program, if any.  
24.

SIGNED *[Signature]* TITLE Agent DATE 6-27-2002

(This space for Federal or State office use)

PERMIT NO. 43-047-3444

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

**BRADLEY G. HILL**  
RECLAMATION SPECIALIST III

DATE

07-15-02

**RECEIVED**  
JUL 11 2002  
DIVISION OF  
OIL, GAS AND MINING

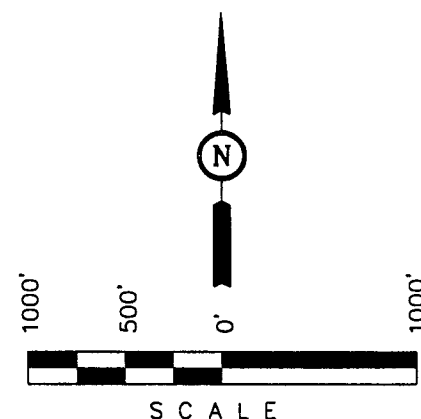
T8S, R20E, S.L.B.&M.

EOG RESOURCES, INC.

Well location, DUCK CREEK #107-35, located as shown in the SE 1/4 NE 1/4 of Section 35, T8S, R20E, S.L.B.&M. Uintah County, Utah.

# BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.



## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert H. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 16139  
STATE OF UTAH  
KAY

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 1-9-02	DATE DRAWN: 1-16-02
PARTY G.S. K.S. D.COX	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE EOG RESOURCES, INC.	

Set Marked Stone,  
Steel Post

N88°29'23"W 5328.19' (Meas.)

1961 Brass Cap  
Set Stone, Steel  
Post

DUCK CREEK #107-35  
Elev. Ungraded Ground = 4684'

1756'

931'

NORTH - G.L.O. (Basis of Bearings)  
2649.77' (Measured)

1961 Brass Cap  
1.0' High, E-W  
Fenceline, Steel  
Post

N03°10'58"E 2623.19' (Meas.)

T8S  
T9S

1968 Brass Cap  
1.0' High

S88°00'33"E 2650.96' (Meas.)

S88°06'05"E 2656.37' (Meas.)

1968 Brass Cap  
Flush w/ Ground

Corner  
Re-Established

## LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED.

LATITUDE = 40°04'54"  
LONGITUDE = 109°37'40"

## EIGHT POINT PLAN

### DUCK CREEK 107-35 SE/NE, SEC. 35, T8S, R20E, S.L.B.&M. UINTAH COUNTY, UTAH

#### 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	DEPTH	TYPE ZONES	MAXIMUM PRESSURE
Green River Oil Shale	2170		
Base of "M" Marker	5315		
Wasatch - Peters Point	5705	GAS	
Chapita Wells	6440	GAS	
Buck Canyon	7240	GAS	
EST. TD:	7300	Anticipated BHP 3200 PSI	

#### 3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.

#### 4. CASING PROGRAM:

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>THREAD</u>	<u>MINIMUM SAFETY FACTOR</u>		
							<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
11	0' - 220'	200' - 220'	8 5/8	24.0 #	J-55	ST&C	1370 PSI	2950 PSI	263,000#
or									
12 1/4	0' - 220'	200' - 220'	9 5/8	32.3 #	H-40	ST&C	1370 PSI	2270 PSI	254,000#
7 7/8	0' - 7300'	7300'	4 1/2	10.5 #	J-55	ST&C	4010 PSI	4790 PSI	146,000#

If conductor drive pipe is used, it will be left in place if its total length is less than 20 feet below the surface. If the total length of the drive pipe is equal to or greater than 20 feet, it will be pulled prior to cementing surface casing, or it will be cemented in place. The minimum diameter of the conductor drive pipe will be 13 3/8".

All casing will be new or inspected.

#### 5. MUD PROGRAM

<u>INTERVAL</u>	<u>MUD TYPE</u>
0' - 220'	Air
240' - 4000'	Air/Mist & Aerated Water
4000' - TD	Air/3% KCL water or KCL substitute

Lost circulation probable from 1500' to 3000'+/-.

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

**EIGHT POINT PLAN**  
**DUCK CREEK 107-35**  
**SE/NE, SEC. 35, T8S, R20E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

**6. VARIANCE REQUESTS:**

- A. EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line (Where possible, a straight run blooie line will be used).
- B. EOG Resources, Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- C. EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be 75' in length.

**7. EVALUATION PROGRAM:**

Logs: DIPOLE SONIC: TD to 200' above "M" Marker, 5", 2", and half scale presentations  
COMP. NEUTRON-GR: TD to surface, 5", 2", and half scale presentations  
Stack with CCL/CBL Log run CBL to 200' above "M" Marker and 200' at cement top.

Cores: None Programmed  
DST: None Programmed

Completion: To be submitted at a later date.

Note: If hole conditions prevent the running of open hole logs, a cased hole Dipole Sonic/Neutron/Gr will be run in lieu of open hole logs.

**8. ABNORMAL CONDITIONS:**

None anticipated.

**9. STANDARD REQUIRED EQUIPMENT:**

- A. Choke Manifold
- B. Kelly Clock
- C. Stabbing Valve
- D. Visual Mud Monitoring

**EIGHT POINT PLAN**

**DUCK CREEK 107-35**  
**SE/NE, SEC. 35, T8S, R20E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

**10. HAZARDOUS CHEMICALS:**

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

## 3000 PSIG DIAGRAM

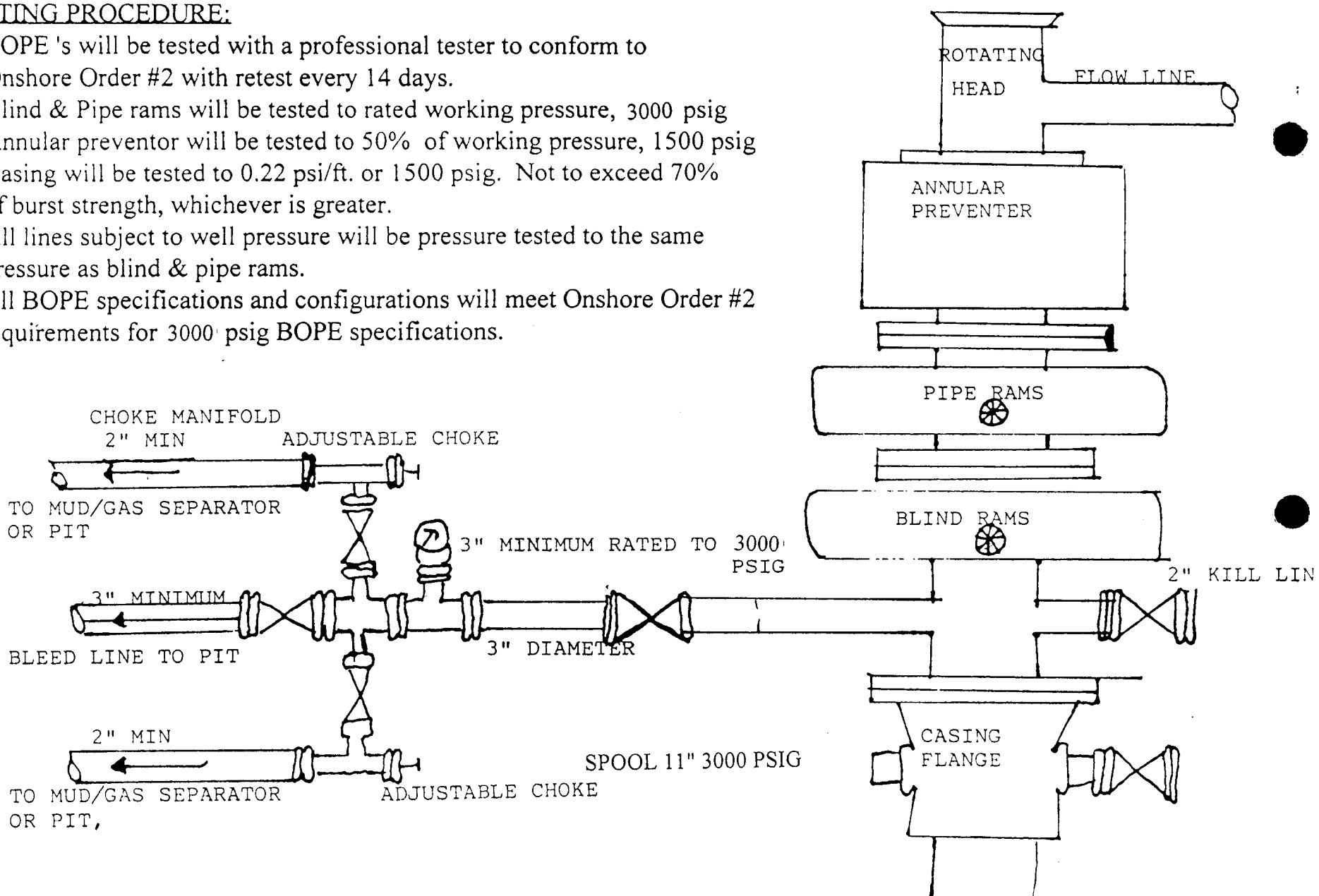
ANNULAR PREVENTOR AND BOTH RAMS ARE 3000 RATED.

CASING FLANGE IS 11" 3000 PSIG RATED.

BOPE 11" 3000 PSIG

### TESTING PROCEDURE:

1. BOPE 's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 3000 psig
3. Annular preventor will be tested to 50% of working pressure, 1500 psig
4. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
5. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
6. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 3000 psig BOPE specifications.



**CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL**

Company/Operator: EOG Resources, Inc.  
Well Name & Number: Duck Creek 107-35  
Lease Number: U-24543  
Location: 1756' FNL & 931' FEL, SE/NE, Sec. 35,  
T8S, R20E, S.L.B.&M., Uintah County  
Surface Ownership: Ute Indian Tribe

**NOTIFICATION REQUIREMENTS**

Location Construction - forty-eight (48) hours prior to construction  
of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice: - at least twenty-four (24) hours prior to  
spudding the well.

Casing String and  
Cementing - twenty-four (24) hours prior to running  
casing and cementing all casing strings.

BOP and related  
Equipment Tests - twenty-four (24) hours prior to running  
casing and tests.

First Production  
Notice - within five (5) business days after new  
Well begins or production resumes after  
Well has been off production for more  
than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of  
Approval for Notice to Drill and Surface Use Program.



## **THIRTEEN POINT SURFACE USE PROGRAM**

### **1. EXISTING ROADS**

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 3.0 miles southeast of Ouray, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

### **2. PLANNED ACCESS ROAD**

- A. The access road will be approximately 0.1 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/ 18 foot running surface.
- C. Maximum grade on access road will be 8%.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way.  
Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of-Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of

drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

**3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION**

A. Abandoned wells – 2\*

B. Producing wells - 3\*

(\*See attached TOPO map “C” for location)

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

**A. ON WELL PAD**

1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of well head valves, separator, dehy, 210 Bbl condensate tank, meter house, and attached piping.

See attached facility diagram.

2. Gas gathering lines - A 3” gathering line will be buried from dehy to the edge of the location.

**B. OFF WELL PAD**

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 3” OD steel above ground natural gas pipeline will be laid approximately 1030’ from proposed location to a point in the SE/NE of Section 35, T8S, R20E, where it will tie into Questar Pipeline Co.’s existing line. Proposed pipeline crosses BIA administered lands, thus a Right-of -Way grant will be required.
3. Proposed pipeline will be a 3” OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the North side of the location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Carlsbad Canyon.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a construction in the unit or other lease or unit boundary change), the BIA will process a change in authorization to the appropriate rental or other financial obligation as determined by the authorized officer.

#### **5. LOCATION & TYPE OF WATER SUPPLY**

- A. Water supply will be from the Ouray Brine Plant at Ouray, Utah, and/or Target Trucking Inc.'s water source in the SW/SW, Sec. 35, T9S, R22E, Uintah County, Utah (State Water Right #49-1501). Produced water from the Chapita Wells and Stagecoach Units will also be used.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

#### **6. SOURCE OF CONSTRUCTION MATERIAL**

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of the location.
- B. All construction material will come from Tribal Land.
- C. No mineral materials will be required.

#### **7. METHODS OF HANDLING WASTE DISPOSAL**

##### **A. METHODS AND LOCATION**

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County landfill.
- 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90

day period, the produced water will be contained in a tank on location and then disposed of at one of the following three locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

**On BIA administered land:**

The reserve pit will be constructed so as not to leak, break, or allow discharge.

The reserve pit shall be lined.

**8. ANCILLARY FACILITIES**

- A. No airstrips or camps are planned for this well.

**9. WELLSITE LAYOUT**

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the Northeast corner of the location. The flare pit will be located downwind of the prevailing wind direction on the East side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored around Corner #4.

Access to the well pad will be from the South.

Corners #2 & #8 will be rounded off to minimize excavation.

**FENCING REQUIREMENTS:**

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16-foot gate shall be installed in any fence where a road is to be regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on Tribal land, or any fence between Tribal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

## **10. PLANS FOR RESTORATION OF SURFACE**

### **A. PRODUCING LOCATION**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours.

The reserve pit will be reclaimed within 12 months from the date of well completion. Before any dirt work takes place, the reserve pit will be

completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

**B. DRY HOLE/ABANDONED LOCATION**

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BIA will attach the appropriate surface rehabilitation conditions of approval.

**11. SURFACE OWNERSHIP**

Access road: Tribal

Location: Tribal

**12. OTHER INFORMATION**

A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs.

The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable

facilities. A list of noxious weeds will be obtained from the BIA, or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BIA does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

**Additional Surface Stipulations**

None

**LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION**

<u>Operations</u>		<u>Permitting</u>
EOG Resources, Inc.	EOG Resources, Inc.	Ed Trotter
P.O. Box 250	P.O. Box 1815	P.O. Box 1910
Big Piney, WY 83113	Vernal, UT 84078	Vernal, UT 84078
Jim Schaefer	George McBride	Telephone: (435)789-4120
Telephone (307)276-3331	Telephone (435)789-0790	Fax: (435)789-1420

All lease or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. EOG Resources, Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The BIA office shall be notified upon site completion prior to moving on the drilling rig.

### Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

6-27-2002  
Date

  
Agent



**EOG RESOURCES, INC.**  
**DUCK CREEK #107-35**  
**LOCATED IN UTAH COUNTY, UTAH**  
**SECTION 35, T8S, R20E, S.L.B.&M.**



**PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE**

**CAMERA ANGLE: WESTERLY**



**PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS**

**CAMERA ANGLE: NORTHWESTERLY**



- Since 1964 -

**UELS**

**Uintah Engineering & Land Surveying**

85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**LOCATION PHOTOS**

**1**

**MONTH**

**16**

**DAY**

**02**

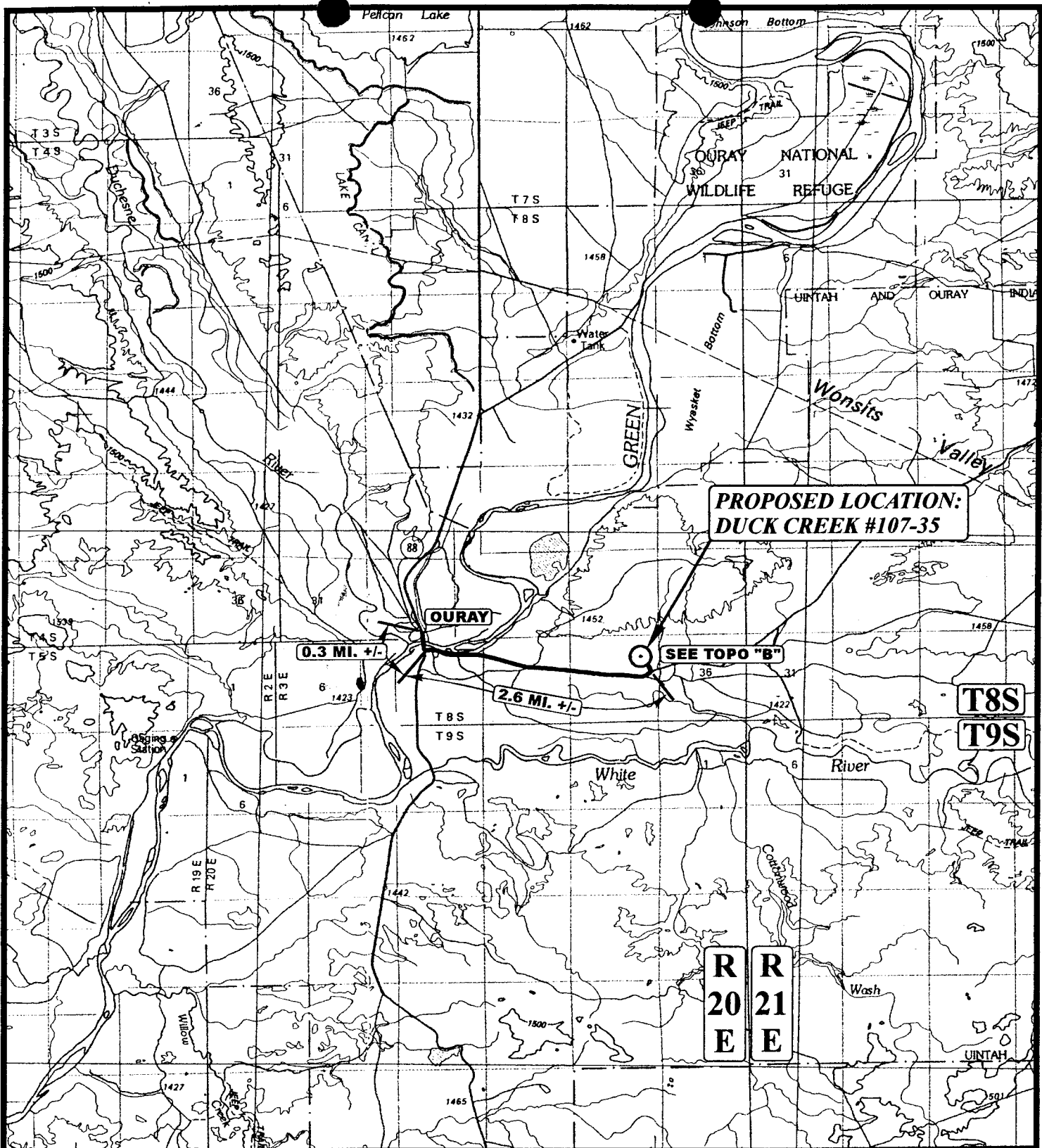
**YEAR**

**PHOTO**

**TAKEN BY: G.S.**

**DRAWN BY: K.G.**

**REVISED: 00-00-00**



# LEGEND:

○ PROPOSED LOCATION

EOG RESOURCES, INC.

DUCK CREEK #107-35  
SECTION 35, T8S, R20E, S.L.B.&M.  
1756' FNL 931' FEL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



TOPOGRAPHIC  
MAP

1 16 02  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: K.G. REVISED: 00-00-00



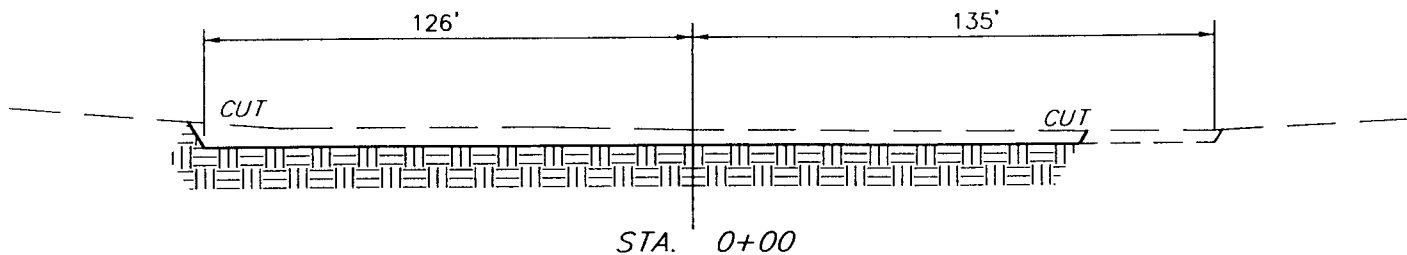
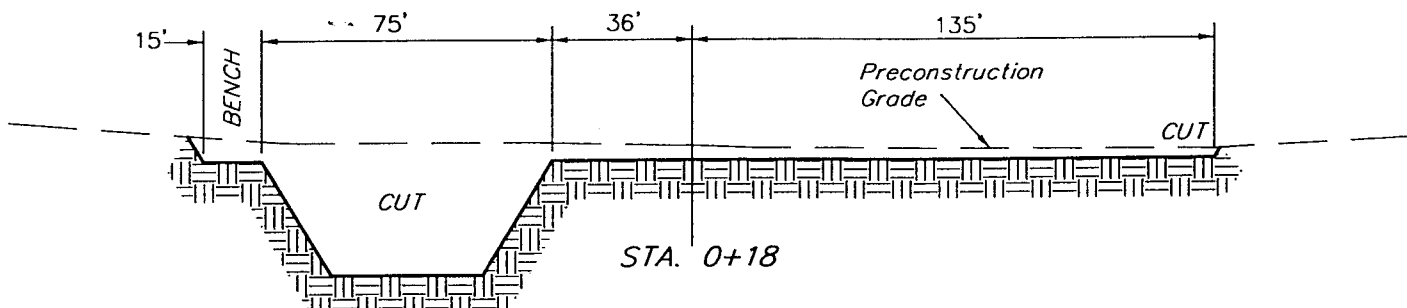
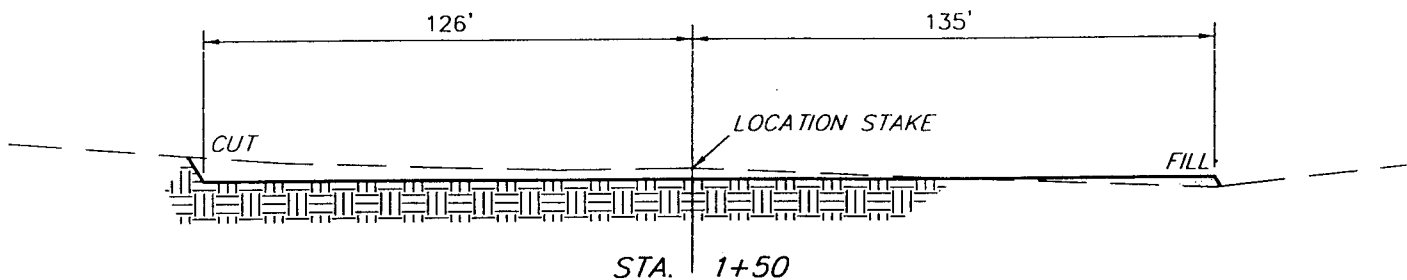
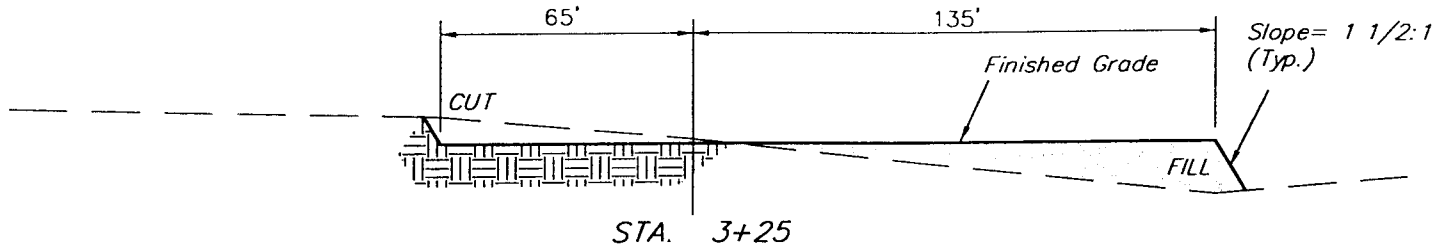
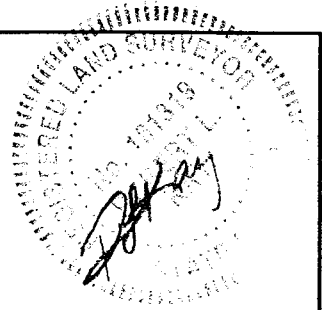
# EOG RESOURCES, INC.

## TYPICAL CROSS SECTIONS FOR

DUCK CREEK #107-35  
SECTION 35, T8S, R20E, S.L.B.&M.  
1756' FNL 931' FEL

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 1-16-02  
Drawn By: D.COX

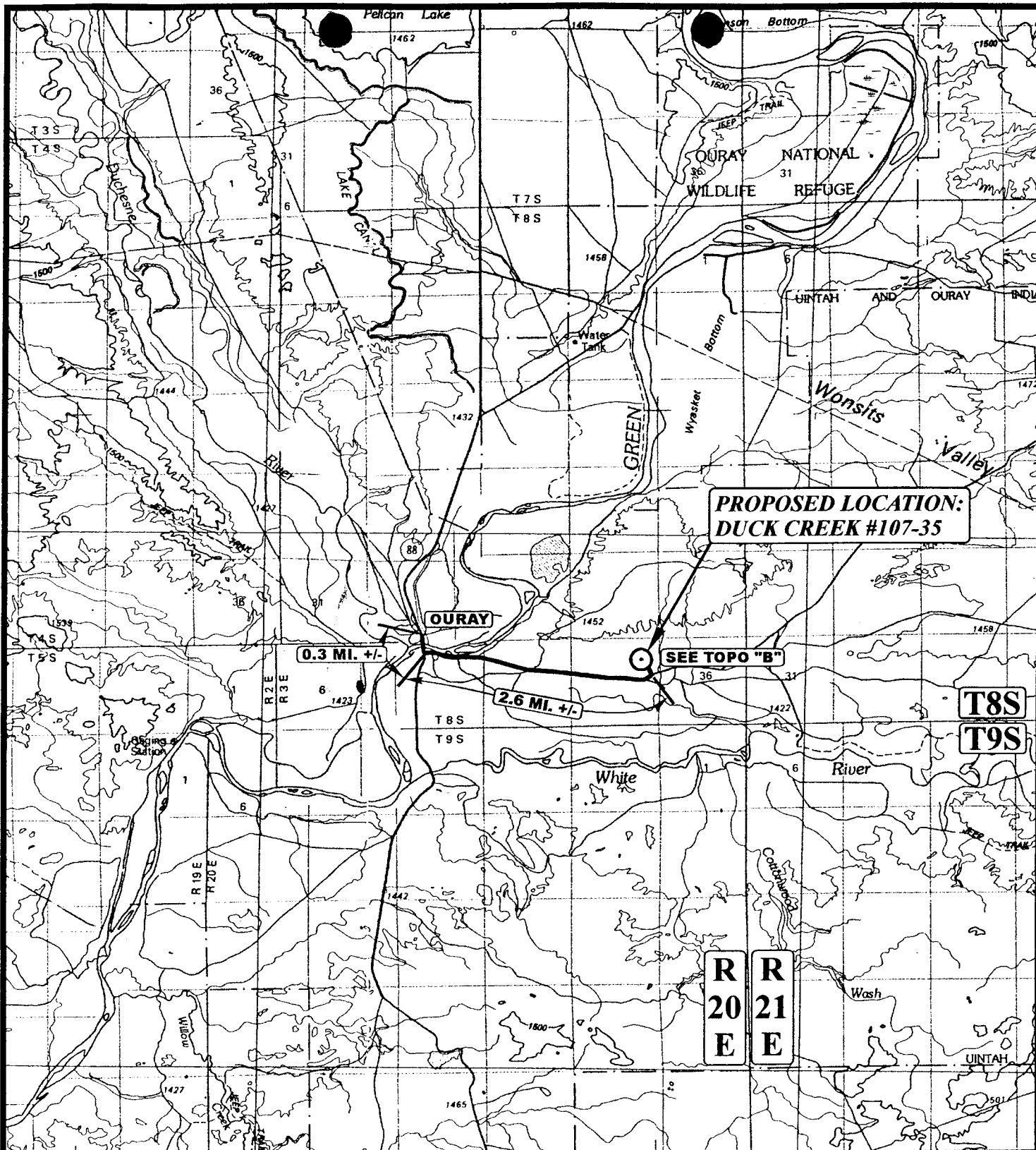


### APPROXIMATE YARDAGES

(12") Topsoil Stripping = 2,860 Cu. Yds.  
Remaining Location = 4,040 Cu. Yds.  
TOTAL CUT = 6,900 CU.YDS.  
FILL = 2,260 CU.YDS.

EXCESS MATERIAL AFTER  
5% COMPACTION = 4,520 Cu. Yds.  
Topsoil & Pit Backfill = 4,520 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



# LEGEND:

○ PROPOSED LOCATION

EOG RESOURCES, INC.

DUCK CREEK #107-35  
SECTION 35, T8S, R20E, S.L.B.&M.  
1756' FNL 931' FEL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

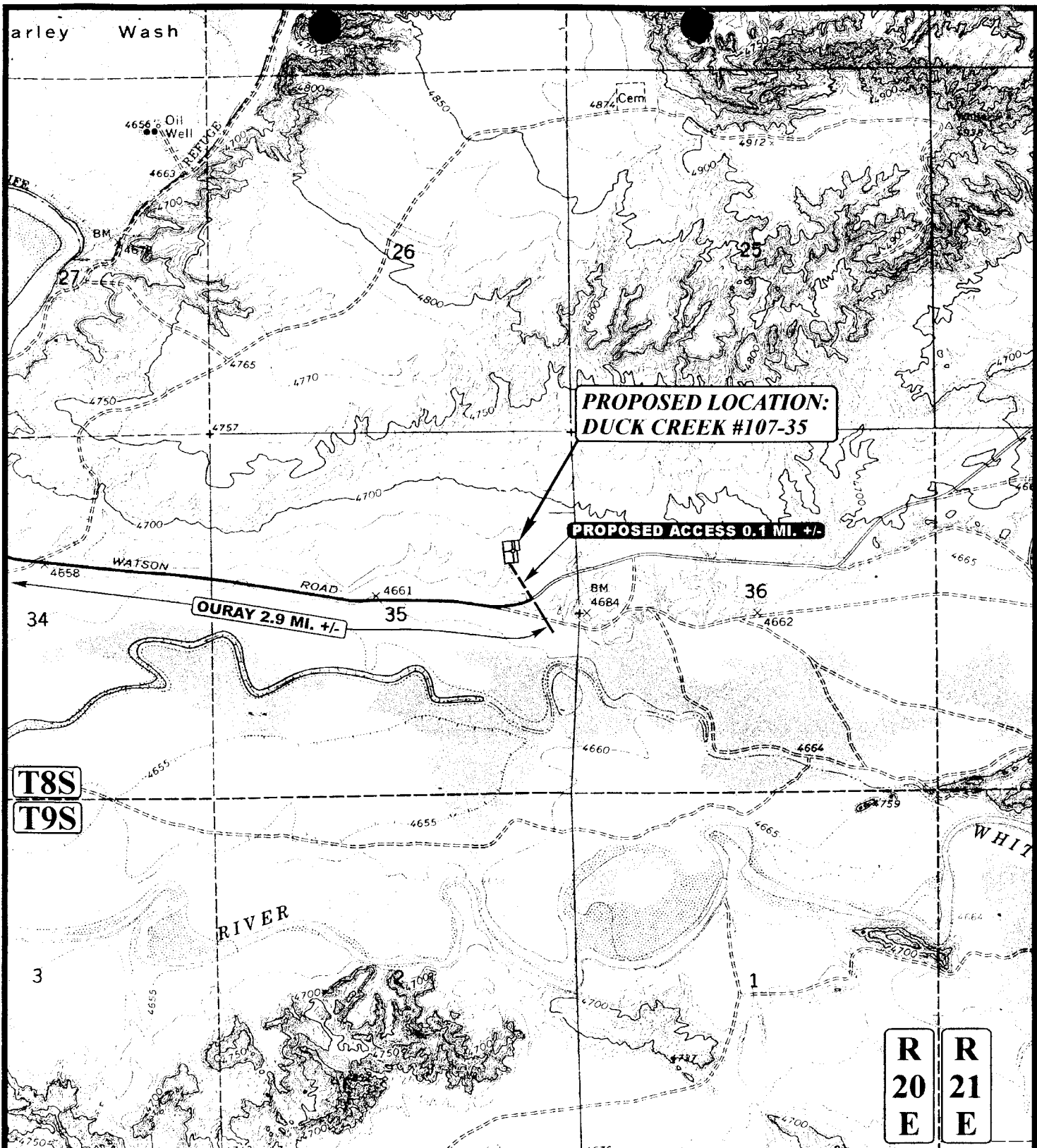


TOPOGRAPHIC  
MAP

1 16 02  
MONTH DAY YEAR

A  
TOPO

SCALE: 1:100,000 DRAWN BY: K.G. REVISED: 00-00-00



# **LEGEND:**

----- PROPOSED ACCESS ROAD  
 \_\_\_\_\_ EXISTING ROAD

**EOG RESOURCES, INC.**

**DUCK CREEK #107-35**  
**SECTION 35, T8S, R20E, S.L.B.&M.**  
**1756' FNL 931' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

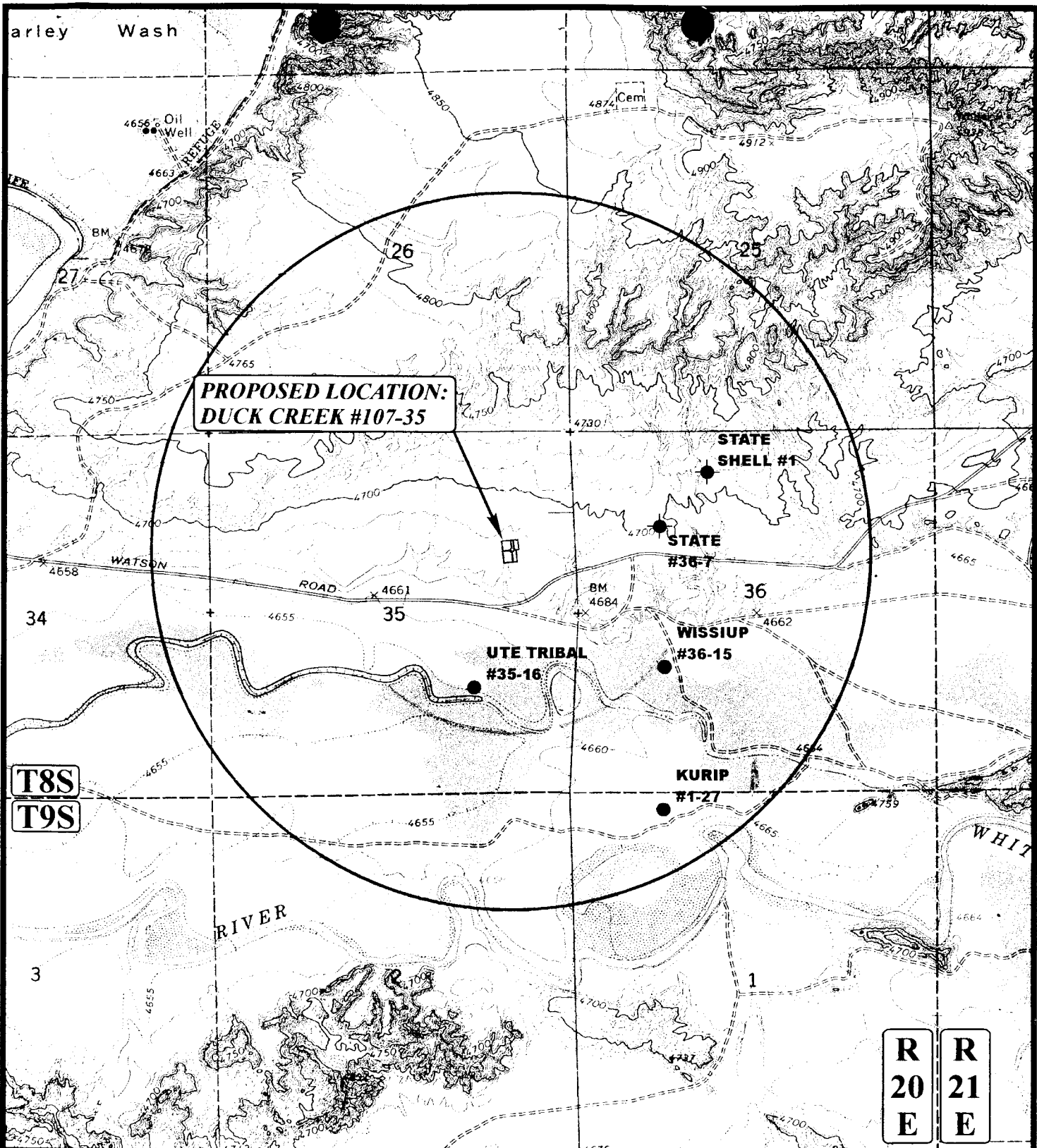


**TOPOGRAPHIC**  
**MAP**

**1 16 02**  
 MONTH DAY YEAR

**B**  
**TOPO**

SCALE: 1" = 2000' DRAWN BY: K.G. REVISED: 00-00-00



# LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



## EOG RESOURCES, INC.

**DUCK CREEK #107-35**  
**SECTION 35, T8S, R20E, S.L.B.&M.**  
**1756' FNL 931' FEL**

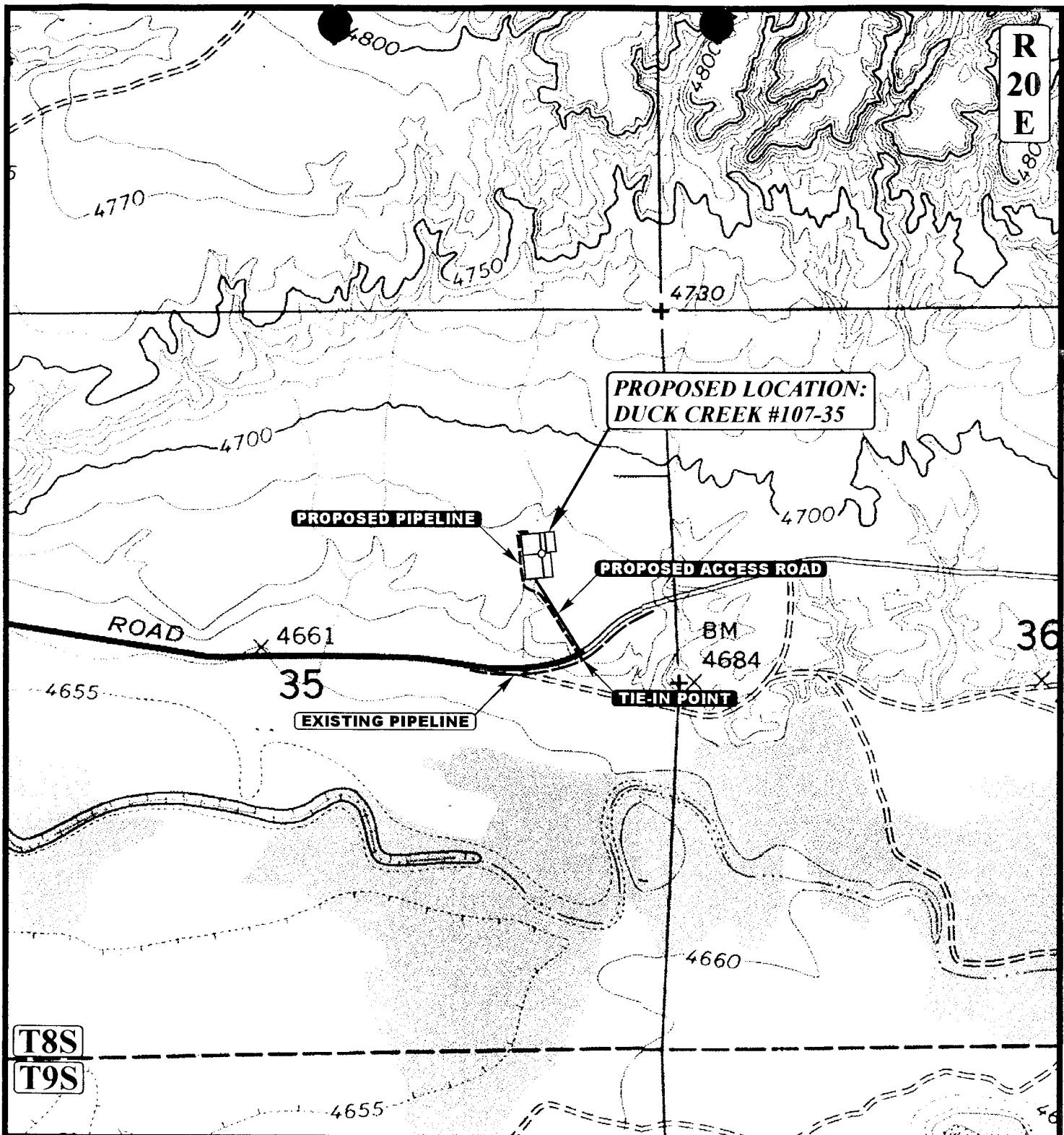
**TOPOGRAPHIC**  
**MAP**

**1** **16** **02**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: K.G. REVISED: 00-00-00

**C**  
**TOPO**





**APPROXIMATE TOTAL PIPELINE DISTANCE = 1,030' +/-**

**LEGEND:**

- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- PROPOSED ACCESS

**EOG RESOURCES, INC.**

**DUCK CREEK #107-35**  
**SECTION 35, T8S, R20E, S.L.B.&M.**  
**1756' FNL 931' FEL**

**UeLs**  
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC**  
**MAP**

<b>1</b>	<b>16</b>	<b>02</b>
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: K.G. REVISED: 00-00-00

**D**  
**TOPO**

1734



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
[www.nr.utah.gov](http://www.nr.utah.gov)

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

July 15, 2002

EOG Resources, Inc.  
P O Box 1815  
Vernal, UT 84078


Re: Duck Creek 107-35 Well, 1756' FNL, 931' FEL, SE NE, Sec. 35, T. 8 South, R. 20 East,  
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34644.

Sincerely,

 John R. Baza  
Associate Director

pb

Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office



**Operator:** \_\_\_\_\_ EOG Resources, Inc.  
**Well Name & Number** \_\_\_\_\_ Duck Creek 107-35  
**API Number:** \_\_\_\_\_ 43-047-34644  
**Lease:** \_\_\_\_\_ U-24543

**Location:** SE NE      **Sec.** 35      **T.** 8 South      **R.** 20 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.



005

**EOG Resources, Inc.**  
600 Seventeenth Street  
Suite 1100N  
Denver, CO 80202  
(303) 572-9000  
Fax: (303) 824-5400

February 20, 2003  
**HAND DELIVERED**

Westport Oil and Gas Company, L.P.  
1670 Broadway, Suite 2800  
Denver, Colorado 80202

Attention: Mr. David Dix

**RECEIVED**

FEB 20 2003

**LAND DEPT.**

RE: Request for Consent to  
Exception Well Location  
Duck Creek 107-35  
SE/4NE/4 of Section 35-8S-20E  
Uintah County, Utah  
Duck Creek Prospect  
1533-G06

Gentlemen:

EOG Resources, Inc. (EOG) has staked and proposes to drill the Duck Creek 107-35, as a Wasatch formation test well, at a location 1,756' FNL, 931' FEL (SE/4NE/4) of Section 35, Township 8 South, Range 20 East, SLM, Uintah County, Utah (see enclosed copy of survey plat).

The State of Utah Board of Oil, Gas and Mining's Orders in Cause Nos. 173-1, 173-2 and 173-9-S (copies enclosed) established 320-acre horizontal drilling units for the development and production of gas and associated hydrocarbons from the Wasatch-Mesaverde formation and prescribe that the location of each of the two (2) permitted wells in each drilling unit shall be located in the center of each quarter section with a tolerance of 660 feet in any direction, but not less than 2,640 feet from other wells completed and producing from the Wasatch-Mesaverde formation.

The Duck Creek 107-35 is within the legal tolerance (it's 605 feet from the center of the NE/4 of Section 35, Township 8 South, Range 20 East, SLM, Uintah County, Utah), but lies closer than 2640 feet from Westport's producing Wasatch gas well, the Ute Tribal 35-16, which was drilled and completed in the NW/4SE/4 of Section 35, Township 8 South, Range 20 East, SLM, Uintah County, Utah, in March, 1981 (it's 1,920 feet away from said well). A plat which visually displays same is also enclosed.

Inasmuch as the location of the proposed Duck Creek 107-35 well is not in compliance with the referenced spacing orders, EOG will request the State of Utah Division of Oil, Gas and Mining's administrative approval of such location as an exception location in accordance with General Rule R649-3-3. Such Rule requires EOG to submit Westport Oil and Gas Company, L.P.'s (Westport) written consent.

Therefore, if Westport has no objections to EOG's drilling its proposed Wasatch test well, the Duck Creek 107-35, at the aforementioned exception location, EOG respectfully requests you so indicate such written consent to same by having this letter dated and executed in the spaces provided below and returning two (2) originally executed copies to my attention at the letterhead address at your earliest opportunity.

If you have any questions, please do not hesitate to call.

Yours very truly,

**EOG RESOURCES, INC.**



Toni Lei Miller  
Division Land Specialist

TLM:kse  
enclosures  
(m:\tllm\feb\westport10735.doc)

On this 24<sup>th</sup> day of February, 2003, Westport Oil and Gas Company, L.P., hereby grants its written consent to EOG Resources, Inc.'s drilling the proposed Wasatch test well, the Duck Creek 107-35, at a location 1,756' FNL, 931' FEL (SE/4NE/4) of Section 35, Township 8 South, Range 20 East, SLM, Uintah County, Utah, which location is an exception to State of Utah Board of Oil, Gas and Mining's Orders in Cause Nos. 173-1, 173-2 and 173-9-S.

**WESTPORT OIL AND GAS COMPANY, L.P.**

BY: Chad MOY

TITLE: Attorney-in-fact



**EOG Resources, Inc.**  
600 Seventeenth Street  
Suite 1100N  
Denver, CO 80202  
(303) 572-9000  
Fax: (303) 824-5400

April 7, 2003  
**FEDERAL EXPRESS**

State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Attention: Ms. Diana Mason

RE: Request for Exception to Location  
and Siting of Wells  
Duck Creek 107-35  
SE/4NE/4 of Sec. 35-8S-20E, SLM  
Uintah County, Utah  
Duck Creek Prospect  
1533-G06

Dear Diana:

Pursuant to our telephone conversations, enclosed please find a duplicate, original request for exception to location for the Duck Creek 107-35 well. Also enclosed is Westport Oil and Gas Company, L.P.'s consent to this exception location.

EOG Resources, Inc. requests the Utah Division of Oil, Gas and Mining's approval of the enclosed application and permission to drill the Duck Creek 107-35 at the proposed location at its earliest opportunity.

Sincerely,

**EOG RESOURCES, INC.**

Debbie Spears  
Sr. Land Technician

/das  
Enclosures  
BLM-UT.doc

RECEIVED  
APR 09 2003

DIV. OF OIL, GAS & MINING



**EOG Resources, Inc.**  
600 Seventeenth Street  
Suite 1100N  
Denver, CO 80202  
(303) 572-9000  
Fax: (303) 824-5400

February 26, 2003  
Resent April 7, 2003

State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Attention: Mr. John Baza

RE: Request for Exception to Location  
and Siting of Wells  
Duck Creek 107-35  
SE/4NE/4 of Sec. 35-8S-20E, SLM  
Uintah County, Utah  
Duck Creek Prospect  
1533-G06

Gentlemen:

Reference is made to those certain Orders promulgated in Cause Nos. 173-1, 173-2 and 173-9-S for the development and production of gas and associated hydrocarbons from the Wasatch-Mesaverde formation. Said spacing orders established 320-acre horizontal drilling units covering, among other lands, the N/2 of Section 35, Township 8 South, Range 20 East, SLM, Uintah County, Utah. The prescribed location of each of the two (2) permitted wells in each drilling unit is the center of the quarter section with a tolerance of 660 feet in any direction, but not less than 2,640 feet from other wells completed and producing from the Wasatch-Mesaverde formation.

EOG Resources, Inc. (EOG) proposes and respectfully requests permission to drill the Duck Creek 107-35, a Wasatch formation test well, at a location 1,756' FNL, 931' FEL (SE/4NE/4) of Section 35, Township 8 South, Range 20 East, SLM, Uintah County, Utah. Said location is within the legal tolerance, but lies closer than 2,640 feet from Westport Oil and Gas Company, L.P.'s (Westport) producing Wasatch formation gas well, the Ute Tribal 35-16, which was drilled and completed in the NW/4SE/4 of Section 35, Township 8 South, Range 20 East, SLM, Uintah County, Utah, in March, 1981.

The subject Duck Creek 107-35 location was first selected based on geology and offset estimated ultimate recoverable reserves. EOG then endeavored to stake it at a legal location in accordance with the subject existing spacing orders that would not preclude or interfere with possible future drilling on an increased density basis similar to that enjoyed by owners of operating rights in all of the surrounding lands in Sections 34, 35 and 36, Township 8 South, Range 20 East, SLM, Uintah County, Utah, under State of Utah Board of Oil, Gas and Mining's Orders in Cause Nos. 173-13. Lastly, the Duck Creek 107-35 was staked at the most optimum location allowed by the existing topography, 605 feet southeast of the center of the NE/4 of Section 35, Township 8 South, Range 20 East, SLM, Uintah County, Utah. Since this location is 1,920 feet northeast of Westport's Ute Tribal 35-16 well, the requested exception location is necessary for EOG to drill same.

RECEIVED

APR 09 2003

DIV. OF OIL, GAS & MINING

State of Utah  
Division of Oil, Gas and Mining  
February 26, 2003  
Resent April 7, 2003  
Page 2 of 2

Enclosed herewith is a copy of the survey plat for the proposed Duck Creek 107-35 well and another plat labeled Exhibit "A" which visually displays the location at which a Wasatch-Mesaverde gas well could be drilled in the N/2 of Section 35, Township 8 South, Range 20 East, SLM, Uintah County, Utah, in compliance with the Orders in Cause Nos. 173-1, 173-2 and 173-9-S, the location at which EOG requests permission to drill the proposed Duck Creek 107-35 well and the locations at which Wasatch and/or Mesaverde formation wells which have been drilled in the surrounding area. Westport's Ute Tribal 35-16 is the only such well that is located closer than 2,640 feet from the proposed Duck Creek 107-35 well location.

EOG is the owner of 100% of the operating rights in the N/2 of Section 35, Township 8 South, Range 20 East, SLM, Uintah County, Utah. Westport is the owner of 100% of the working interest in the Ute Tribal 35-16 well and 100% of the operating rights in the S/2 of Section 35, Township 8 South, Range 20 East, SLM, Uintah County, Utah. As a result, a letter dated February 20, 2003, on which Westport has evidenced its written consent to EOG's proposed drilling of the Duck Creek 107-35 at the requested exception location is also enclosed.

EOG respectfully requests the Utah Division of Oil, Gas and Mining grant administrative approval of this application for an exception well location and permission to drill the proposed Wasatch formation well described herein at its earliest opportunity.

If you have any questions or need any additional information, please do not hesitate to contact the undersigned.

Yours very truly,

**EOG RESOURCES, INC.**



Toni Lei Miller  
Division Land Specialist

TLM/kse  
Enclosures  
(m:\tllm\feb\stutltr10735.doc)

cc: Ed Trotter (w/copies of enclosures)  
Dan Presenkowski – EOG (w/copies of enclosures)  
Anne Grau – EOG (w/copies of enclosures)  
Chris Hansen – EOG (w/copies of enclosures)  
David Dix – Westport (w/copies of enclosures)

**T8S, R20E, S.L.B.&M.**

Set Marked Stone,  
Steel Post

N88°29'23"W 5328.19' (Meas.)

1961 Brass Cap  
Set Stone, Steel  
Post

**DUCK CREEK #107-35**  
Elev. Ungraded Ground = 4684'

931'

1961 Brass Cap  
1.0' High, E-W  
Fence Line, Steel  
Post

NORTH - G.L.O. (Basis of Bearings)  
2649.77' (Measured)

2623.19' (Meas.)  
N03°10'58"E

Corner  
Re-Established

1968 Brass Cap  
Flush w/ Ground

1968 Brass Cap  
1.0' High

S88°06'05"E 2656.37' (Meas.)

S88°00'33"E 2650.96' (Meas.)

**T8S  
T9S**

**LEGEND:**

- └─ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED.

RECEIVED

APR 09 2003

DIV. OF OIL, GAS & MINING

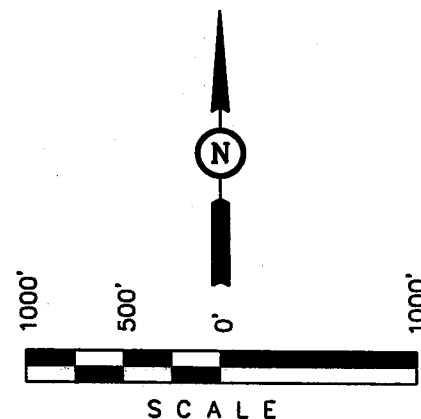
LATITUDE = 40°04'54"  
LONGITUDE = 109°37'40"

**EOG RESOURCES, INC.**

Well location, DUCK CREEK #107-35, located as shown in the SE 1/4 NE 1/4 of Section 35; T8S, R20E, S.L.B.&M. Uintah County, Utah.

**BASIS OF ELEVATION**

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

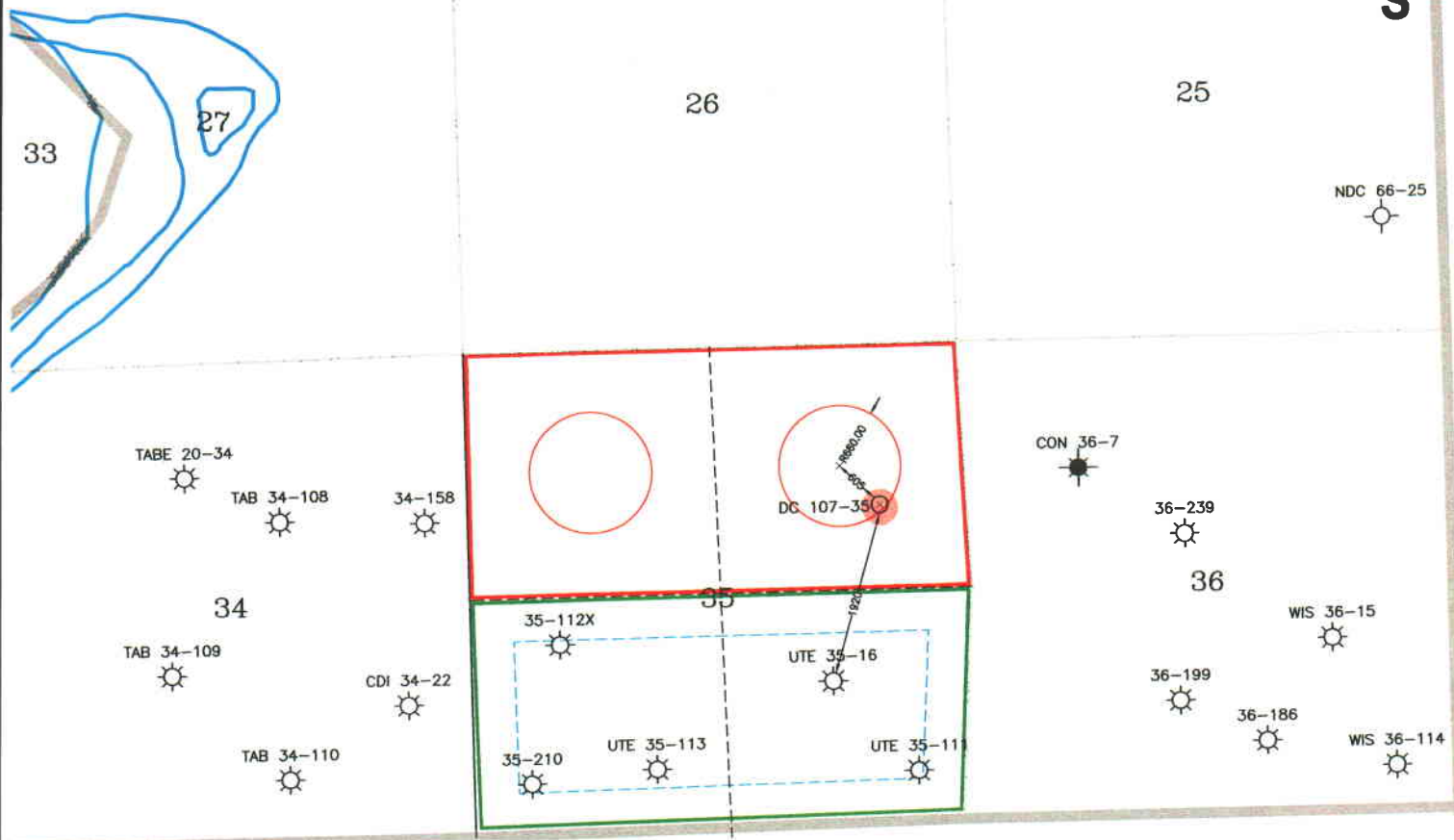
REGISTERED LAND SURVEYOR  
No. 161319  
STATE OF UTAH  
KAY

**UINTAH ENGINEERING & SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 1-9-02	DATE DRAWN: 1-16-02
PARTY G.S. K.S. D.COX	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE EOG RESOURCES, INC.	

# R 20 E

# T 8 S



— Drilling Unit established for Wasatch-Mesaverde Formation Under Cause No. 173-9-S ( 2 wells per 320 acre Unit)

○ Legal window within which a Wasatch-Mesaverde well could be drilled in Drilling Unit in compliance with order.

— Drilling Unit established for Wasatch-Mesaverde Formation under Cause No. 173-13 ( 8 wells Per 320 acre Unit )

□ Legal window within which a Wasatch-Mesaverde gas well could be drilled in Drilling Unit in compliance with order (460' setback ).

 Locations at which Wasatch &/or Mesaverde wells have been drilled.

**Exhibit "A"**

● Location at which applicant requests permission to drill the proposed Duck Creek #107-35:  
1756' FNL, 931' FEL SE NE SEC. 35, T8S - R20E

Scale: 1"=2000'  
0 1/2 1 Mile





Denver Division

Application for  
Exception Well Location  
**Duck Creek #107-35 Well**

UINTAH COUNTY, UTAH

Scale: 1" = 2000'	Map ID 8-20-35	Author T.M.	Date: 2/2003
----------------------	-------------------	----------------	-----------------



## WORKSHEET

## APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/01/2002

API NO. ASSIGNED: 43-047-34644

WELL NAME: DUCK CREEK 107-35

OPERATOR: EOG RESOURCES INC ( N9550 )

CONTACT: ED TROTTER

PHONE NUMBER: 435-789-0790

## PROPOSED LOCATION:

SENE 35 080S 200E

SURFACE: 1756 FNL 0931 FEL

BOTTOM: 1756 FNL 0931 FEL

UINTAH

NATURAL BUTTES ( 630 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: U-24543

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSTC

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.08184

LONGITUDE: 109.62798

## RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. NM 2308 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 49-1501 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

R649-2-3.

Unit

R649-3-2. General

Siting: 460 From Qtr/Qtr &amp; 920' Between Wells

☒ R649-3-3. Exception☒ Drilling Unit

Board Cause No: 173-95

Eff Date: 8-9-91

Siting: 1660' in any direction 2640' from the wells.

R649-3-11. Directional Drill

COMMENTS:

**AMENDED**

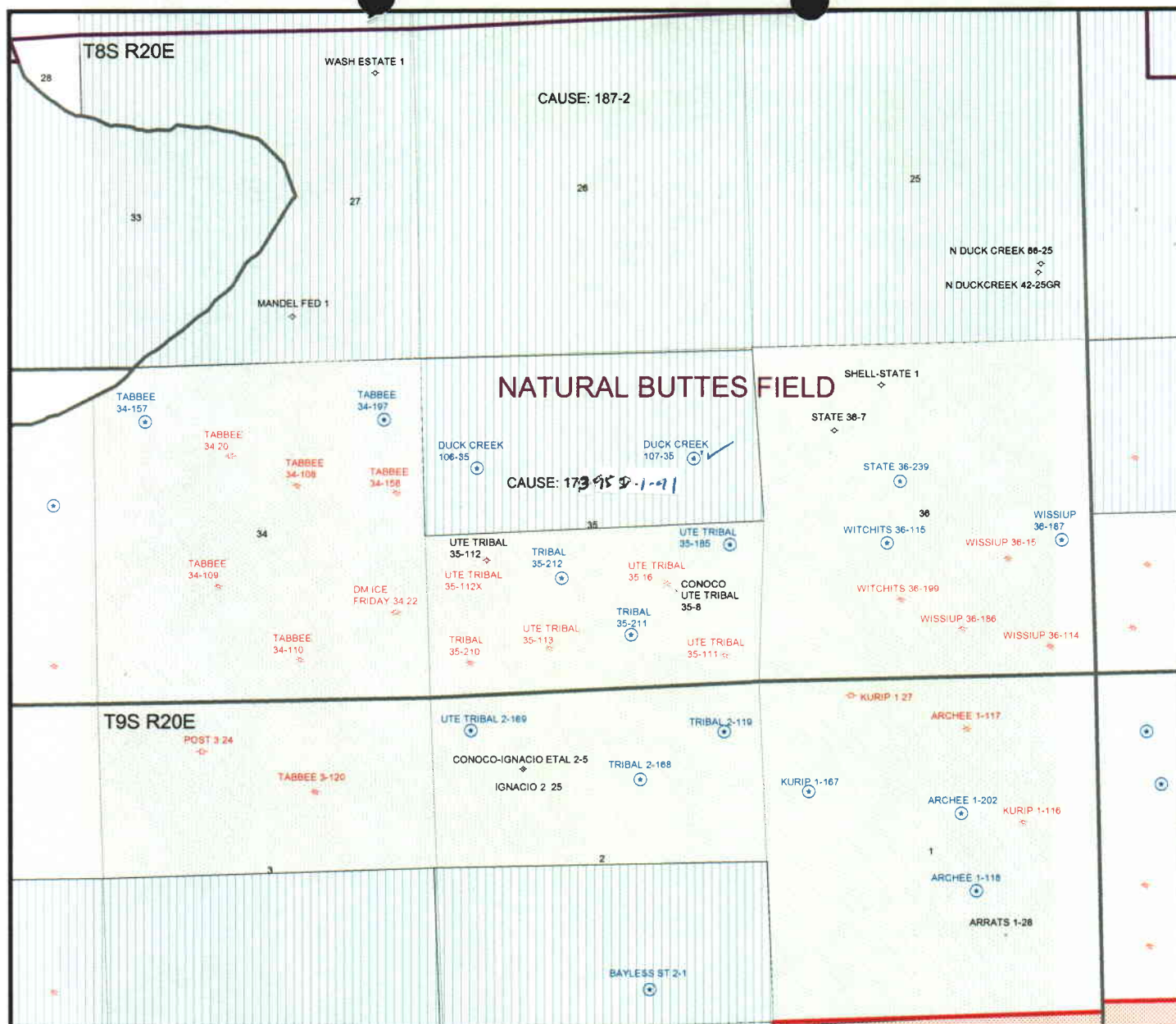
from

7/15/2002

by Hil Hunt 4/30/03

STIPULATIONS:

1) Federal approval  
2) exception location



OPERATOR NAME: EOG RESOURCES (N9550)

SEC. 35 T8S R20E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH SPACING: 173-95



#### Well Status

#### Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED
- Township.shp
- Sections

- Gas Injection
- Gas Storage
- Location Abandoned
- Location
- Plugged
- Producing Gas
- Producing Oil
- Shut-In Gas
- Shut-In Oil
- Temporarily Abandoned
- Test Well
- Water Injection
- Water Supply
- Water Disposal

#### Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Utah Oil Gas and Mining



Prepared By: D. Mason  
Date: 8-July-2002



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
[www.nr.utah.gov](http://www.nr.utah.gov)

July 15, 2002  
Amended April 30, 2003

EOG Resources Inc.  
600 Seventeenth Street, Ste. 1100N  
Denver, CO 80202

Re: Duck Creek 107-35 Well, 1756' FNL, 931' FEL, SE NE, Sec. 35, T. 8 South, R. 20 East,  
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34644.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

John R. Baza  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

Operator: \_\_\_\_\_ EOG Resources Inc. \_\_\_\_\_

Well Name & Number \_\_\_\_\_ Duck Creek 107-35 \_\_\_\_\_

API Number: \_\_\_\_\_ 43-047-34644 \_\_\_\_\_

Lease: \_\_\_\_\_ U-24543 \_\_\_\_\_

Location: SE NE                      Sec. 35                      T. 8 South                      R. 20 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

Date: 04/24/2003 10:14 AM

Diana:

I have not heard from Earlene regarding this approved exception location. Is she the one that will be providing the letter?

Thanks,

Debbie

"Diana Mason" <DIANAMASON@utah.gov>  
To: <Debbie\_Spears@eogresources.com>

Subject: Re: Exception Location for Duck Creek 107-35  
Date: 04/24/2003 09:10 AM

Just checking, did Earlene get with you on this?

>>> <Debbie\_Spears@eogresources.com> 04/22/03 04:01PM >>>

----- Forwarded by Debbie Spears/EOGResources on 04/22/2003 04:01 PM  
-----

Debbie Spears  
To: [dianamason@ut.gov](mailto:dianamason@ut.gov)  
Date: 04/22/2003 03:59 PM  
Subject: Exception Location for Duck Creek 107-35

Diana:

Although EOG received a letter from the Utah Division of Oil, Gas and Mining dated July 15, 2002, regarding the approval to drill the referenced well, it did not state in the letter that the exception location was granted. Could you please provide me with a letter from the DOGM with the additional paragraph stating the administrative approval of the exception location? I would very much appreciate your help!

Please give me a call at (303) 824-5430 should you have any questions.

Thanks,

Debbie Spears

007

**From:** <Debbie\_Spears@eogresources.com>  
**To:** <dianamason@utah.gov>  
**Date:** 4/22/03 4:04PM  
**Subject:** Exception Location for Duck Creek 107-35

----- Forwarded by Debbie Spears/EOGResources on 04/22/2003 04:01 PM -----

Debbie Spears

To: dianamason@ut.gov  
04/22/2003 03:59 PM cc:  
Subject: Exception Location for Duck Creek 107-35

Diana:

Although EOG received a letter from the Utah Division of Oil, Gas and Mining dated July 15, 2002, regarding the approval to drill the referenced well, it did not state in the letter that the exception location was granted. Could you please provide me with a letter from the DOGM with the additional paragraph stating the administrative approval of the exception location? I would very much appreciate your help!

Please give me a call at (303) 824-5430 should you have any questions.

Thanks,

Debbie Spears

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUN 28 2002

FORM APPROVED  
OMB NO. 1004-0136

011

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

Oil

Gas

Single

Multiple

Well ☐

Well ☒

Other

Zone ☐

Zone ☐

2. Name of Operator

EOG RESOURCES, INC.

3. Address and Telephone Number

P.O. BOX 1815, VERNAL, UT 84078 (435)789-0790

4. Location of Well (Report location clearly and in accordance with any State requirements.)

At surface

1756' FNL & 931' FEL

SE/NE

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office

3.0 MILES SOUTHEAST OF OURAY, UTAH

15. Distance from proposed location to nearest property or lease line, ft.

931'

(Also to nearest drig. Unit line, if any)

16. No. of acres in lease

1608.80

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth

7300'

5. Lease designation and serial number

U-24543

6. If Indian, Allottee or Tribe name

UTE INDIAN TRIBE

7. Unit Agreement Name

8. Farm or lease name, well no.

DUCK CREEK 107-35

9. API Well No.

DUCK CREEK 107-35

10. Field and pool, or wildcat

WASATCH

11. Sec., T., R., M., or BLK. and survey or area

SEC. 35, T8S, R20E

12. County or parish

UINTAH

13. State

UTAH

17. No. of acres assigned to this well

20. Rotary or cable tools

ROTARY

21. Elevations (show whether DF, RT, GR, etc.)

8483.3 FEET GRADED GROUND

22. Approx. date work will start

UPON APPROVAL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	200' - 220'	100-150 SX CLASS "G" + 2%
or 12 1/4"	9 5/8"	32.30#	200 - 220'	CaCl2 + 1/4 #/SX CELLOFLAKE.
7 7/8"	4 1/2"	10.50#	7300'	50/50 POXMIX + 2% GEL + 10%

SALT TO 400' ABOVE ALL ZONES OF INTEREST (+10% EXCESS).

EIGHT CEMENT (11PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+5% EXCESS).

SEE ATTACHMENTS FOR:

8 POINT PLAN

BOP SCHEMATIC

SURFACE USE AND OPERATING PLAN

LOCATION PLAT

LOCATION LAYOUT

TOPOGRAPHIC MAPS "A", "B", AND "C"

GAS SALES PIPELINE—MAP "D"

CONFIDENTIAL

APR 30 2003

DIV OF OIL, GAS & MINING

EOG RESOURCES, INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND #NM 2308

Pc: UTAH DIVISION OF OIL, GAS, AND MINING  
BUREAU OF INDIAN AFFAIRS

NOTICE OF APPROVAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED

TITLE Agent

DATE 6-27-2002

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

Assistant Field Manager

Mineral Resources

DATE 04/14/2003

CONDITIONS OF APPROVAL ATTACHED

27K0024A

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: EOG Resources Inc.

Well Name & Number: DUCK CREEK 107-35

API Number: 43-047-34644

Lease Number: UTU – 24543

Location: SENE Sec. 35 TWN: 08S RNG: 20E

Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.



## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

**Submit an electronic copy of all logs run on this well in LAS format. This submission will replace the requirement for submittal of paper logs to the BLM.**

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to this office prior to setting the next casing string or requesting plugging orders. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 3M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

#### 3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint. Surface casing setting depths are based on ground level elevations only.

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at 2,166 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vapor proof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to top of the cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5(d) shall be submitted to the appropriate Field Office within 60 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (1).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery. All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries and tested for meter accuracy at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman                      (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood                (435) 828-7875  
Petroleum Engineer

BLM FAX Machine              (435) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

EOG Resources, Inc. (EOG) will assure the Ute Tribe that any/all contractors and subcontractors have acquired a current Tribal Business License and have updated "Access Permits" prior to construction. All EOG personnel, contractors and subcontractors will have these permits in their vehicles at all times. Companies that have not complied with this COA will be in violation of the Ute Tribal Business License Ordinance, and will be subject to fines and penalties.

EOG employees, representatives, and/or authorized personnel (subcontractors) shall not carry firearms on their person or in their vehicles while working on the Uintah and Ouray Indian Reservation.

EOG employees and/or authorized personnel (subcontractors) in the field will have approved applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.

EOG will notify the Ute Tribe and Bureau of Indian Affairs (BIA) in writing of any requested modification of APDs or Rights-Of Way (ROW). EOG shall receive written notification of authorization or denial of the requested modification. Without authorization, EOG will be subject to fines and penalties.

The Ute Tribe Energy & Minerals Department shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday. A Tribal Technician is to routinely monitor construction. EOG shall make arrangements with the Ute Energy & Minerals Department for all monitoring that will exceed regular working hours for Tribal Technicians. A qualified Archaeologist accompanied by a Tribal Technician will monitor any trenching required for the construction of the pipeline. EOG is to inform contractors to maintain construction of the pipelines within approved right of ways.

A corridor ROW, 30 feet wide and 480 feet long, shall be granted for the new access road. Another corridor ROW, 30 feet wide and 390 feet long, shall be granted for the proposed pipeline. The constructed travel width of the access road will be limited to 18 feet. Upon authorization by the Ute Tribe Energy & Minerals Department, the road ROW may be wider where sharp curves; deep cuts and fills occur; or, where intersections with other roads are required.

Road base gravel will be used where sandy soils make travel and access for drilling operations hazardous or difficult. Berms, diversion ditches, cattle guards and culverts will be constructed where required.

Upon completion of the pertinent APD and ROWs, EOG will notify the Ute Tribe Energy & Minerals Department for a Tribal Technician to verify the Affidavit of Completion. Upon completion of each pipeline in the corridor an adequate description of the pipeline will be filed with the Ute Tribe Energy & Minerals Department.

Production waters, oil, and other byproducts shall not be placed on access roads or the well pad.

At any locations where the produced water is hauled for drilling purposes, the reserve pits must have adequate liners or clay soils and the produced water may not be injected down the annulus of a well location after drilling has been completed.

All vehicular traffic, personnel movement, construction and restoration operations will be confined to the areas examined and approved and to the existing roadways and/or evaluated access routes.

EOG will implement "Safety and Emergency Plan" and ensure plan compliance.

EOG shall stop construction activities and notify personnel from the Ute Tribe Energy & Minerals Department and BIA if cultural remains including paleontology resources (vertebrate fossils) are exposed or identified during construction. The Ute Tribe Department of Cultural Rights and Protection and the BIA will provide mitigation measures prior to allowing construction.

EOG employees and/or authorized personnel (subcontractors) will not be allowed to collect artifacts and paleontology fossils. No significant cultural resources shall be disturbed.

EOG will control noxious weeds on the well site and ROWs. EOG will be responsible for noxious weed control if weeds spread from the project area onto adjoining land.

Reserve pits will be lined with an impervious synthetic liner. A fence will be constructed around the reserve pit until it is backfilled. Prior to backfilling the reserve pit, all fluids will be pumped from the pit into trucks and hauled, to approved disposal sites. When the reserve pits are backfilled, the surplus oil and mud, etc., will be buried a minimum of 3 feet below the surface of the soil.

A closed system will be used during production. This means that production fluids will be contained in leak-proof tanks. All production fluids will be disposed of at approved disposal sites.

Surface pipelines will be constructed to lay on the soil surface. The pipeline ROW will not be bladed or cleared of vegetation without authorization of the BIA. Surface pipelines shall be welded in place at well sites or on existing and proposed access roads and pulled into place with suitable equipment. Vehicles shall not use pipeline ROWs as access roads unless specifically authorized.

Buried pipelines shall be buried a minimum of 3 feet below the soil surface. After construction is completed the disturbed area shall be contoured to blend into the natural landscape and be reseeded between September 15 and November 1 of the year following construction with perennial vegetation seed mixture provided by the BIA or Ute Tribe.

Before the site is abandoned, EOG will be required to restore the well site and ROWs to near their original state. The disturbed areas will be reseeded with desirable perennial vegetation.

Soil erosion will be mitigated, by reseeding all disturbed areas.

CONFIDENTIAL

## DIVISION OF OIL, GAS AND MINING

**SPUDDING INFORMATION**Name of Company: EOG RESOURCES INCWell Name: DUCK CREEK 107-35Api No: 43-047-34644 Lease Type: FEDERALSection 35 Township 08S Range 20E County UINTAHDrilling Contractor DALL COOK'S RIG # AIR**SPUDDED:**Date 05/22/03Time 11:00 AMHow AIR**Drilling will commence:** \_\_\_\_\_Reported by ED TROTTERTelephone # 1-435-789-4120Date 05/22/2003 Signed: CHD



014

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

OPERATOR: EOG Resources, Inc.  
ADDRESS: P.O. BOX 250  
BIG PINEY, WYOMING 83113

OPERATOR ACCT. NO. N 9550  
FAX: EARLENE RUSSELL  
(801) 359-3940

ENTITY ACTION FORM - FORM 8

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SEC.	TP	RG			
B	99999	13799	34644 43-047- <del>21007</del>	DUCK CREEK 107-35	SENE	35	8S	20E	UINTAH	5/21/2003	6/9/03
CONFIDENTIAL <i>non-unit</i>											

ACTIONS CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

*Dale Carlson*  
Signature  
Regulatory Analyst  
Title  
Date 5/27/2003  
Phone No. (307) 276-4842

RECEIVED

MAY 27 2003

DIV. OF OIL, GAS & MINING

(3/89)

2

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

013

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

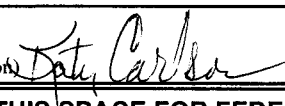
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U 24543	
2. Name of Operator EOG RESOURCES, INC.		6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE	
3a. Address P.O. BOX 250 BIG PINEY, WY 83113		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 307.276.4842 Fx: 307.276.4842		8. Well Name and No. DUCK CREEK 107-35	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 35 T8S R20E SENE 1756FNL 931FEL		9. API Well No. 43-047-34077-34644	
		10. Field and Pool, or Exploratory DUCK CREEK/WASATCH	
		11. County or Parish, and State UINTAH COUNTY, UT	

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Well Spud
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

EOG Resources, Inc. spud 12-1/4" surface hole at the subject location 5/21/2003. The contractor was Dall Cook's Air Drilling. Ed Forsman of the Vernal BLM office and Carol Daniels of the Utah Division of Oil, Gas & Mining were notified of spud 5/21/2003.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #22405 verified by the BLM Well Information System For EOG RESOURCES, INC., will be sent to the Vernal</b>	
Name (Printed/Typed) KATY CARLSON	Title REGULATORY ANALYST
Signature (Electronic Submission) 	Date 05/27/2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title _____	RECEIVED Date MAY 29 2003
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

015

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.  
U 24543

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.  
DUCK CREEK 107-352. Name of Operator  
EOG RESOURCES, INC.Contact: KATY CARLSON  
E-Mail: Kathleen\_Carlson@EOGResources.com9. API Well No.  
43-047-346443a. Address  
P.O. BOX 250  
BIG PINEY, WY 831133b. Phone No. (include area code)  
Ph: 307.276.484210. Field and Pool, or Exploratory  
DUCK CREEK 107-35

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 35 T8S R20E SENE 1756FNL 931FEL

11. County or Parish, and State  
UINTAH COUNTY, UT**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

## TYPE OF SUBMISSION

## TYPE OF ACTION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☒ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleting horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleting in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

EOG Resources, Inc. requests authorization for disposal of produced water from the referenced well to any of the following locations.

1. Natural Buttes Unit 21-20B SWD.

2. Ace Disposal.

3. EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit, &amp; Stagecoach Unit).

4. RN Industries.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #23694 verified by the BLM Well Information System  
For EOG RESOURCES, INC., will be sent to the Vernal**

Name (Printed/Typed) KATY CARLSON

Title REGULATORY ANALYST

Signature

(Electronic Submission)



Date 7/07/2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

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Office

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**\*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\*****RECEIVED**  
**JUL 16 2003**  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2004

016

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
U 245431a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry Other  
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

8. Lease Name and Well No.

EOG RESOURCES, INC.

DUCK CREEK 107-35

3. Address

3a. Phone No. (include area code)

P.O. BOX 250, BIG PINEY, WYOMING 83113

(307) 276-4842

9. API Well No.

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

43-047-34644

At surface SE/NE, 1756' FNL - 931' FEL

At top prod. interval reported below SAME

At total depth SAME

10. Field and Pool, or Exploratory

DUCK CREEK/WASATCH

11. Sec., T., R., M., on Block and Survey  
or Area SECTION 35, T8S, R20E

12. County or Parish

UINTAH

13. State

UTAH

14. Date Spudded

5/21/2003

15. Date T.D. Reached

6/02/2003

16. Date Completed

☐ D&A ☒ Ready to Prod.

6-22-03

17. Elevations (DF, RKB, RT, GL)\*

4683' GL

18. Total Depth: MD 7475  
TVD19. Plug Back T.D.: MD 7432  
TVD20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

ML-6-11-03

22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run? ☒ No ☐ Yes (Submit report)Directional Survey? ☒ No ☐ Yes (Submit copy)

RST &amp; CBL/VDL/GR/CCL

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24	0	321		225 "G"			
7-7/8"	4-1/2" N-80	10.5	0	7458		1040			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	7330'							

25. Producing Intervals

26. Perforation Record

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	6434'	7299'	6915-7299'	0.380	15	PRODUCING
B)			6565-6740'	0.380	24	PRODUCING
C)			6434-6476'	0.280	33	PRODUCING
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6915-7299'	22,092 GALS GELLED WATER & 111,380# 20/40 SAND.
6565-6740'	15,918 GALS GELLED WATER & 66,747# 20/40 SAND.
6434-6476'	18,942 GALS GELLED WATER & 83,547# 20/40 SAND.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/27/2003	7/06/03	24	<input type="checkbox"/>	3	383	5			Flow
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
14/64"	550	850	<input type="checkbox"/>	3	383	5			

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

DIV. OF OIL, GAS &amp; MINING

(See instructions and spaces for additional data on next page)

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
M MARKER	5334'	5774'	SHALE	WASATCH	5779'
PETER'S POINT	5774'	6459'	SANDSTONE	CHAPITA WELLS	6343'
CHAPITA WELLS	6459'	7259'	SANDSTONE	BUCK CANYON	7123'
BUCK CANYON	7259'	7475'	SANDSTONE		

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

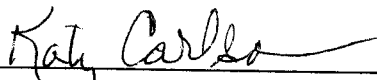
- 1 Electrical/Mechanical Logs (1 full set req'd.)    2 Geologic Report    3 DST Report    4 Directional Survey  
5 Sundry Notice for plugging and cement verification    6 Core Analysis    7 Other: \_\_\_\_\_

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) KATY CARLSON

Title REGULATORY ANALYST

Signature



Date JULY 11, 2003

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

AMENDED 8/18/03  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2004

## 017 WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
U 245431a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry Other  
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

8. Lease Name and Well No.

EOG RESOURCES, INC.

DUCK CREEK 107-35

3. Address

3a. Phone No. (include area code)

P.O. BOX 250, BIG PINEY, WYOMING 83113

(307) 276-4842

9. API Well No.

43-047-34644

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface SE/NE. 1756' FNL - 931' FEL

At top prod. interval reported below SAME

At total depth SAME

10. Field and Pool, or Exploratory

DUCK CREEK/WASATCH

11. Sec., T., R., M., on Block and Survey  
or Area SECTION 35, T8S, R20E

12. County or Parish

13. State

UINTAH

UTAH

14. Date Spudded

15. Date T.D. Reached

16. Date Completed

☐ D&A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*

5/21/2003

6/02/2003

6/27/2003

4683' GL

18. Total Depth: MD 7475  
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TVD

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
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RST &amp; CBL/VDL/GR/CCL

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
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24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	7330'							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	6434'	7299'	6915-7299'	0.380	15	PRODUCING
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28. Production - Interval A

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6/27/03	7/06/03	24	<input type="checkbox"/>	3	383	5			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
14/64"	550	850	<input type="checkbox"/>	3	383	5			

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

(See instructions and spaces for additional data on next page)

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AUG 20 2003

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## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

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CHAPITA WELLS	6459'	7259'	SANDSTONE	BUCK CANYON	7123'
BUCK CANYON	7259'	7475'	SANDSTONE		

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- 1 Electrical/Mechanical Logs (1 full set req'd.)    2 Geologic Report    3 DST Report    4 Directional Survey  
 5 Sundry Notice for plugging and cement verification    6 Core Analysis    7 Other: \_\_\_\_\_

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